

RESmini XR6

8 Drive Rugged Small Form Factor Server

- One Intel Xeon Scalable Processor with up to 28 cores
- Up to 384GB DDR4 ECC Memory
- Up to 240TB of Storage
- MIL-STD: 810G, 901D, 167-1



A part of the *EnterpriseSeries™*, Mercury's RESmini XR6 Server embeds the newest Intel® Xeon® Scalable processor with AVX512 to accelerate compute intensive workloads for mission critical expeditionary operations.

Data Center in a Briefcase

Featuring one Intel® Xeon® Scalable processor socket with up to 28 cores, up to 384 GB memory, up to 240 TB of storage in eight swappable drives, two PCIe expansion slots, and several enhanced reliability features, the XR6 RESmini delivers high performance in a briefcase size package.

Designed to be on the Move

Only 4" x 13.5" x 11", the 15 lb RESmini minimizes size, weight, and power (SWaP) and meets military environmental specifications. The light-weight, portable chassis runs on either AC or DC power with 10 GbE ports, expansion slots, and multiple I/O offer operators maximum configuration versatility for current and future operations.

Operate in the Most Stringent Environments

The RESmini operates in 0°C to +50°C temperatures, with greater temperature extremes available for special configurations. Advanced thermal and mechanical design features provide superior resilience to shock, vibration, dust, sand, and temperature extremes.

Proven Performance

Mercury's EnterpriseSeries RES Servers are trusted worldwide for their high-performance, long life cycles, thermal resiliency, compatibility with industry standards, and SWaP optimization. With the latest Intel core-count processors and configurable I/O, RES servers are ideally suited to next-gen radar, mission, advanced simulation, command, control, and battle management processing mission critical applications.

Your Reliable Teammate

With over 30 years of technical expertise, Mercury Systems works closely with customers to design computing solutions that are easy to integrate, affordable, and reliable for years to come.

Mercury Systems is a leading commercial provider of secure sensor and safety-critical processing subsystems. Optimized for customer and mission success, Mercury's solutions power a wide variety of critical defense and intelligence programs.



ACQUIRE



DIGITIZE



PROCESS



STORAGE

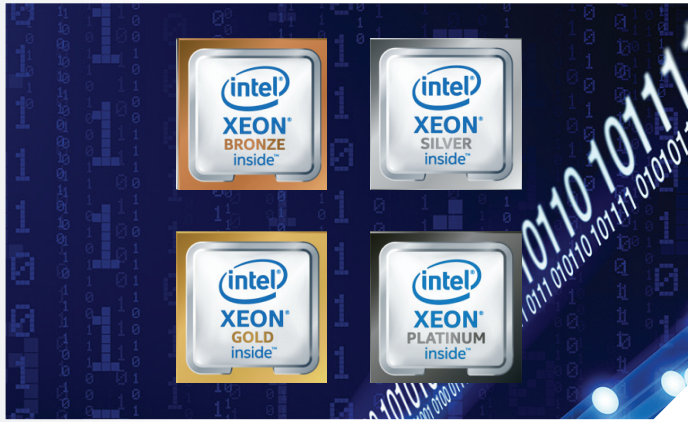


EXPLOIT



DISSEMINATE

Intel Xeon Scalable Processor with 28 Cores



Maximum Configuration Flexibility



Eight Removable, Hot Swappable, Front Access Drives



Portable, Reliability Enhanced, Small Form Factor Server



XR6 RESmini Technical Specifications

Processing

One Intel® Xeon® Scalable Bronze, Silver, Gold, or Platinum CPU with up to 28 cores (Skylake-SP and Cascade Lake-SP)

Up to 384 GB DDR4 ECC Memory

Management and Operating System

Windows®, Linux®, VMWARE® and other hypervisors

IPMI v2.0, Redfish option available

Expansion and Modular Maintainability

Up to 3 low profile, half-length PCIe 3.0 cards

4 Fixed Fans

Input/Output Versatility

Front Access

8 Removable, Hot Pluggable, 2.5" SATA/SAS3 drives

Side Access

1 Power Switch

2 10GBaseT Ethernet Ports (RJ45)

2 USB 3.0 and 2 USB 2.0

1 IPMI 2.0

1 VGA Graphic Port

Power Supply Options

Single 110/220 V AC (50/60 Hz, 400 Hz)

Single 18-36 V DC, 32 Amps

Single 9-18 V DC, 74 Amps

Environmental*

Operating

Temperature: 0°C to 50°C

Humidity: 8% to 95% (non-condensing)

Shock: 3 axis, 35g, 25ms

Vibration: 4.76 Grms, 10Hz to 2000 Hz (SSD)

Non-Operating

Temperature: -40°C to 70°C

Humidity: 5% to 95% (non-condensing)

Mechanical

Height: 4 inches (102mm)

Width: 13.5 inches (343mm)

Depth: 11 inches (273mm)

Weight (Typical)*: 15 lb. (6.8kg)

*Specifications including weight and thermal profiles are configuration dependent.

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MERCURY SYSTEMS

47200 Bayside Parkway • Fremont, CA 94538 USA
(510) 252-0870 • Fax (510) 490-5529

MERCURY SYSTEMS INTERNATIONAL

37-39 Avenue Ledru-Rollin • CS 11237
75570 Paris Cedex 12 • France
+33 608 419949